

# NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, April 19, 2002

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## High-pressure hydrogen sheds light on Jupiter

By Anne M. Stark

NEWSLINE STAFF WRITER

Through laser experiments, Lab physicists determined that deuterium, an isotope of hydrogen, turns into a metal at a higher density than research performed at Sandia National Laboratory.

The behavior of hydrogen at extreme pressures provides crucial information on how Jupiter, made primarily of hydrogen, formed and evolved.

LLNL Physicist Robert Cauble will present the Livermore research Sunday at a press conference entitled "Extreme Hydrogen Physics." The presentation will be part of a joint meeting of the American Physical Society and the High Energy Astrophysics Division of the American Astronomical Society in Albuquerque, N.M.

Cauble said the Livermore research shows that laser shocks compressing liquid deuterium at 300 kilobars of pressure — about 300,000 times more than the atmospheric pressure of Earth at sea level — turns the liquid to a metal.

"Hydrogen is all around the universe and a lot of it is at high pressure," Cauble said. "It's important to know its equation of state, the relationship between pressure, density, and temperature."

Hydrogen's equation of state dictates at what pressures and densities hydrogen transforms into a metal, and so determines the depth where Jupiter's metallic hydrogen layer



The behavior of hydrogen at extreme pressures provides crucial information on how Jupiter was formed and evolved.

begins and the amount of metallic hydrogen it contains.

In the Livermore experiment, scientists used the now-decommissioned Nova laser to shock-compress liquid deuterium. They found it turned into a metal at a higher density than similar experiments conducted later by Sandia researchers. Using a different technique on Sandia's Z Machine, Sandia scientists discovered that they also metallized deuterium, but at densities lower than in the laser experiments. The two different equations of state implied by the disparate results affect how researchers view large planets like Jupiter.

Cauble and Marcus Knudson of Sandia

See **JUPITER**, page 8

## Diversity speaker Elliott delivers the shocking truth about racism in America

By Elizabeth Campos Rajs

NEWSLINE STAFF WRITER

Racism is not only alive and well in America, it permeates every level of our society and is taught in our schools and homes, diversity trainer Jane Elliott told a Lab audience recently.

"I am a racist. I was born, raised and educated in this country. But I wasn't born a racist. There is no gene for racism, there is no gene for homophobia and no gene for ageism or sexism. Those are things you have to be taught," she said, lambasting the white-centered education most American children receive. "It is not human nature. It is carefully taught."

And until people start speaking out when they see discrimination occurring, it will continue unchecked, she said.

"We could stop it if we chose to," Elliott said. "You need to think about what you're doing... You are responsible for what you think, what you say and what you feel. Make a difference."

Elliott, whose talk was sponsored by the Affirmative Action & Diversity Program, is widely recognized for her "Blue Eyes, Brown Eyes" discrimination experiment, which she first used with her third-grade class in 1968, the day after Martin Luther King Jr. was assassinated. In this exercise, participants are labeled inferior or superior based on the color of their eyes.

As she took the stage in the Bldg. 123 auditorium last week, Elliott wryly noted that she would probably offend everyone in the room in the first five minutes of her presentation. "And I don't care," she said, launching into her talk.

"I realize some of the things Elliott says are provocative, but I don't think her comments are intended merely for shock value," said Tommy Smith, manager of the Lab's Affirmative Action & Diversity Program. "She tries to help people understand that these attitudes, which are harmful, are not innate. Rather, they are created by society,

See **ELLIOTT**, page 8

## Introducing 'MyLLNL,' a new way for employees to surf the intranet

MyLLNL is an intranet "portal," a new way to access Laboratory unclassified information. The portal is a single point of entry to the LLNL intranet that can be personalized to access a wealth of information, knowledge, and expertise Labwide.

MyLLNL will be available to anyone at LLNL with access to the Laboratory's intranet. Once logged in, you can customize your portal pages to show the information you want to see. MyLLNL also includes a Help Center Website where you can learn about portal features and how to customize your portal display.



### The history of MyLLNL

In FY2000, a project team began researching the future of Web capabilities to determine how LLNL could leverage the latest web technology. The ultimate goal of this effort was not only to improve desktop workflow throughout the Lab, but also to position LLNL's Web infrastructure for the dynamic changes that will

occur during the next decade.

A portal pilot project to determine the viability of a portal for LLNL was approved, developed and completed in FY2000. The team evaluated several portal products and chose Oracle9iAS Web infrastructure and Oracle Portal software.

The pilot results were extremely positive. Of those who participated in the pilot project, 89 percent said that if a portal were available they would use it on a daily basis.

FY2001 funding was secured and develop-

See **PORTAL**, page 8



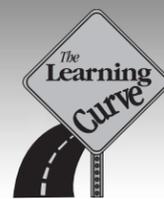
1967: New sources of energy

— Page 3



'Back to Nature, Down to Earth'

— Page 5



Closing in on distance learning

— Insert



## LAB COMMUNITY NEWS

### Weekly Calendar

Technical Meeting Calendar, page 4

Saturday  
**20**

There will be a **scheduled power outage** from 7 a.m. to 3 p.m. in the following locations: Bldgs. 341, 345, 491 and 492; and Trailer:

3427. (Emergency power or generators will run in Bldgs. 491 and 492.) Contact: Mark Cardoza, 3-0490.

Wednesday  
**24**

Michele French, executive director of workforce planning in the UC Office of the President, will address **"Today's Health**

**Care Environment,"** 8:30-10 a.m. in the Bldg. 123 auditorium. This presentation is open to all employees and will be cablecast live on Lab TV channel 2. It will be rebroadcast on Thursday at 10 a.m.

**Ralph Hager**, who retired in 1993 after 25 years at the Lab, and his wife, Susan Parker, will be at Town Center Books in Pleasanton at 7:30 p.m. for a reading of her new book called "Tumbling After." Six months after retiring, Hager was in a bicycle accident that left him a quadriplegic. The book is an account of coping with his disability.

Thursday  
**25**

Robert Katz, member of the South Bay Holocaust Survivors' Group and the Jewish Partisans' Education Foundation, will present **"Triumph of the Human Spirit: The**

**Story of the Jewish Military Resistance in WWII,"** at noon in the Bldg. 543 auditorium. (See article page 5.)

Friday  
**26**

The **Benefits Office's brown-bag session** on enhancing your financial security by participating in the Tax-Deferred 403(b)

will be held from 12:15-1:15 p.m. in Bldg. 571, conference room 2301. Attendance is open. Bring your lunch and your questions.

Up  
Coming

Amigos Unidos is taking **orders for tamales** — \$13/dozen, \$7/half-dozen (pre-ordered) — through May 2. The tamales may

be picked up during Amigos Unidos' Cinco de Mayo celebration from 11:30 a.m. to 1 p.m. on May 3 in the pool area. Lunch plates will be available at the celebration for \$6.50 and may also be preordered. Orders may be placed with: Irene Ortega, 2-6350; Yahel De La Cruz, 4-3507; Maurice Hernandez, 2-9392; and Angela Amaral, 960-0369.



Lab TV

Broadcast  
Schedule

A recent segment of "Technology Today," **"Post September 11 Technology,"** will air on Lab TV Channel 7 Monday through Friday at 10 a.m., 2 p.m. and 4 p.m. "Technology Today" is the Lab's community television show.

### Livermore's Promise hosts diversity day

Livermore is hosting a "Diversity Celebration" on Saturday at Carnegie Park from 11 a.m. to 4 p.m. Admission is free.

The event will feature more than 30 booths offering ethnic foods and various displays of art, literature and dress. The Lab will also have a booth at the event.



In addition, there will be music and dance performances, including hula dancing and African-American spirituals.

The day is sponsored by Livermore's Promise. Karen Kiernan, special projects manager in the Lab's Public Affairs Office, is chairing the celebration.

### Update on bid process for health care benefit plans

By Bob Becker

LLNL RETIREE

Input from retirees has been minimal, but since it has been quite a while since I have written a column, I thought I had better give it a try.

**Bob Clark** dropped me a note to verify the well documented ride pool from Danville. Bob was a police officer from 1954 until 1979, when he retired and moved to Washington, Ind. (1006 State Hwy 257). Bob indicated that the clock at the West Main Gate was the official time-piece for the ride pool. If a member arrived after the designated time, he was charged late points equivalent to the number of minutes he was late. Bob saw many ride pool members running from their buildings to reduce the number of late points. Bob was even asked to advance the clock on several occasions, but he couldn't be bribed. This ride pool was serious business.

Don't forget the forthcoming picnic on June 19 at Ravenswood. **Pauline Floyd** (925) 446-8594 has the details. The slide show at the Livermore Library, "Traveling through Central and Northern Europe," is scheduled for Tuesday, and on May 28, see "The Panama Canal and Ports-of-Call." Starting time is 2 p.m. and reservations are not required.

**Robert E. Poor** dropped me a letter from Lincoln, Neb., about his new residence. He lives at 2761 Randolph St., Lincoln NE 68510-3132, (402) 477-3155. As you may recall, Bob spent a great deal of time and effort as a caregiver for his wife, who suffered from Alzheimer's. Bob has offered to help and share his experiences with anyone who may be faced with the same problem. Bob would enjoy hearing from any of his old friends.

I have taken on a crusade to improve the communication with retirees from the Lab as well as with

### RETIREES' CORNER

the University, particularly with regard to information on health benefits and pension plans. Gloria Kwei, department head of Human Resources, suggested that this column be used as a communication tool. So I'm giving it a try:

The UC Care point-of-service (POS) plan is being publicly bid. The current POS carriers are Aetna for the medical component and UBH for the behavioral health component. In addition, the high option/supplement to Medicare, Core (CA) and Core (NM) plans will also be bid. To ensure the best available options in the market, UC is also requesting proposals for a preferred provider option (PPO) plan and consumer model alternatives. The effective date of any new plans will be Jan. 1. Note: The HMO (i.e., Kaiser, Health Net, WFA PacifiCare) plans and BluePremier plans in New Mexico are not part of this bid process.

The requests for proposals have been released to prospective carriers. They were sent to the following organizations, which, based on research of the current marketplace, appear able to provide the types of plans being bid and to meet the University's requirement for medical plan options.

- Medical plans: Aetna, Inc., Blue Cross of California, Blue Shield of California, CIGNA HealthCare, Health Net, PacifiCare Health Systems and United Healthcare.

- Managed behavioral health: CIGNA Behavioral Health, Magellan, Managed Health Network, Inc., PacifiCare Behavioral Health, United Behavioral Health and Value Options.

- Consumer model: Definity Health, Destiny Health, HealthMarket, Lumenos and Vivius.

Updates will be provided periodically during the bid process. As always, changes are subject to the collective bargaining process, where required.

If you have questions about your retirement benefits or other ideas about communication involving retirees, let me know. I will attempt to get answers and include them in this column if I think that it may be a general problem of interest to retirees.

I still want to hear from you about your travels and activities because your fellow retirees continue to tell me that they enjoy this aspect of the column: Bob Becker, 1690 Frederick Michael Way, Livermore, CA 94550, (925) 447-3867, rbecker@aol.com

### IN MEMORIAM

#### Anthony "Tony" Echeverria

Anthony "Tony" Echeverria, a Lab retiree, died April 14 at Veterans Hospital in Livermore, after a battle with cancer. He was 63.

Echeverria was born and raised in Winnemucca, Nev., and served in the Air Force from 1957-61. He joined the Lab in 1966 and worked as a senior engineering associate in Mechanical Engineering and Chemistry & Materials Science. He retired in 1993, after 27 years.

Echeverria was a Livermore resident for more than 36 years. He enjoyed fishing and teaching kids target shooting and handgun safety at the Livermore Rod & Gun Club. He also worked with Future Farmers of America.

Survivors include his daughter, Rene Echeverria-Thomason, a Lab employee; two brothers and numerous nieces and nephews.

Services are pending. Contributions in his name may be made to the Paradise Valley Volunteer Fire Department, in Paradise Valley, Nev.

### Newsline

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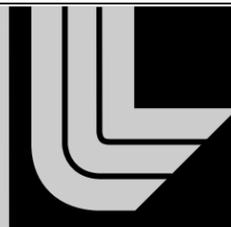
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1952 – 2002

MAKING HISTORY, MAKING A DIFFERENCE



# GASBUGGY: The quest for sources of energy

*This is an ongoing feature highlighting the Lab's 50-year history. This week we take a look at the year 1967.*

On Dec. 10, 1967, a 29-kiloton Livermore-designed nuclear device exploded in a sandstone formation at a 4,000-foot depth in the San Juan basin of New Mexico. Part of Project Plowshare, the GASBUGGY experiment was a joint venture of the Atomic Energy Commission, El Paso Natural Gas Company, and the Bureau of Mines of the U.S. Department of the Interior. The experiment tested the feasibility of using nuclear explosives to stimulate natural gas production in geology that is too impermeable for economical production by conventional means.

The economic practicality of the concept proved problematic. GASBUGGY and two subsequent gas-stimulation nuclear tests brought to a close Project Plowshare field experimentation. However, they marked the beginning of Livermore's work with the U.S. oil and gas industry.

Laboratory researchers have since engaged in a variety of energy projects, including large-scale demonstrations in the 1970s and 1980s of *in situ* coal gasification and oil extraction from shale. Currently, the Laboratory participates in DOE's Natural Gas and Oil Technology Partnership, a government-industry alliance to expedite development of advanced technologies for better diagnostics, more efficient drilling, and improved natural gas and oil recovery.



In the GASBUGGY experiment, part of Project Plowshare, a nuclear explosive was lowered down a 4,000-foot hole and detonated in a sandstone formation in New Mexico to increase natural gas production.

## PLOWSHARE 1967 project

### Around the Lab



The "Forty-One for Freedom Award" was presented to the Lab in 1967 for distinguished service in the development and deployment of the Fleet Ballistic Missile System. Shown in the photo are (left) Carl Haussmann and (second from right) Lab Director Michael May.

The goal of the Controlled Thermonuclear Reaction (CTR) program was to design a fusion reactor that could provide a virtually inexhaustible source of cheap and safe power. CTR research began at the Lab in 1958 and continued into the late 1960s. *Photo date: 1967.*



In 1967, California Governor Ronald Reagan (center) visited the Lab. Standing next to him is Lab Director Michael May.

### Around the nation

- First successful heart transplant
- Numerous anti-Vietnam War marches in U.S.
- J. Robert Oppenheimer dies
- *Rolling Stone* magazine is published in San Francisco by 21-year-old Jann Wenner
- Thurgood Marshall becomes first black Supreme Court justice

### Around the world

- First Chinese H-Bomb tested
- Israel captures Arab-Jerusalem and Golan Heights after six-day Arab/Israeli war
- World's first heart transplant is performed in Cape Town, South Africa

## in other NEWS

Significant events  
around the Lab,  
the nation  
and the  
world

For more of the Lab's rich history, check out the Timeline, located at :  
<http://www.llnl.gov/timeline/>



## NEWS YOU CAN USE

### Reporting for duty



Thirty-eight new officers recently joined the ranks of the Laboratory's Protective Force Division. The officers were honored last week for successfully completing their seven-week stint at the Central Training Academy in Albuquerque in late March. The officers must also complete institutional and site-specific courses from Safeguards and Security, Hazards Control, and the Environmental Protection departments. Clea Marples, PFD administrative group leader, states "There are many reasons for the influx of new officers: a turnover in personnel, attrition factors, higher security levels, and a new management team led by Division Leader Eric Steele and Deputy Division Leader Kory Porter."

## Technical Meeting Calendar

Friday  
19

### ENERGY & ENVIRONMENT

"Active Load Control for Wind Turbine Blades: A Non-Traditional Microtab Approach," by Dora

Nakafuji, LLNL. 10:30 am, Bldg. 543 auditorium. Contact: Camille Vandermeer, 3-2672. Refreshments will be served.

### MATERIALS RESEARCH INSTITUTE

"Obstructed Diffusion in Lipid Bilayers with Controlled Obstacle Sizes and Area Fractions, a Combined AFM/FRAP Approach," by Tim Ratto, UC Davis. 10 a.m., Bldg. 219, room 163 (badge required). Contacts: Mike McElfresh, 2-8686, or Joanna Allen, 2-0620.

Monday  
22

### CHEMISTRY & MATERIALS SCIENCE

"Compact Gamma Camera Development for Evaluation of Scintimammography," by

Cynthia Keppel, Hampton University. 10 a.m., Bldg. 151, room 1209. Contacts: Christine Hartmann-Siantar, 2-4619, or Rosa Yamamoto, 2-0454.

### UC DAVIS, DEPARTMENT OF APPLIED SCIENCE

"Large Scale Electronic Structure Calculations on Parallel Supercomputers at NERSC (LBNL)," by Andrew Canning, LBNL. 4 p.m., Bldg. 661 (Hertz Hall), room 7 (open area). Refreshments served at 3:30 p.m. for a "meet the speaker" session before seminar. Contact: Estelle Miller, 2-9787.

Tuesday  
23

### CENTER FOR GLOBAL SECURITY RESEARCH

"History and Future of the Missile Technology Control Regime (MTCR)," by Richard

Speier (formerly helped negotiate and implement the MTCR and is now a private consultant). 10:30 a.m., Bldg. 132S, room

1784. Contact: Karen Kimball, 2-6141.

### APRIL 23, 24 ULTRAFAST LASER SEMINAR

LBNL will be presenting a two-day seminar on lasers on April 23-24. The second day of the seminar may be of particular interest to femtosecond laser users. There is no cost for the second day of the seminar, which will be held in the Bldg. 50 auditorium, 8:30 a.m. to 2 p.m. on April 24. Those interested in attending are strongly encouraged to take BART to the Berkeley station up on the hill where they can take the free LBNL shuttle to Bldg. 50. You will need to use your LLNL badge and a copy of a confirmation email to board. Private and government automobile parking is extremely limited at LBNL without prior arrangements for a parking pass. For information or agenda, contact Ken Barat, 6-7958 (klbarat@lbl.gov) at LBNL, or David Taylor, 3-1097 (taylor5@llnl.gov) at LLNL.

Wednesday  
24

### MATERIALS RESEARCH INSTITUTE

"Simulation and Modeling of the Materials in the Nanoscale: Methods and Applications," by

Tahir Cagin, Caltech. 3:30 p.m., Bldg. 219, room 163 (badge required). Contacts: Riad Manaa, 3-8668, or Joanna Allen, 2-0620.

Thursday  
25

### CHEMISTRY & MATERIALS SCIENCE

"Surviving on Small Science: Examples from the Biophysical and Interfacial Sciences Group,"

by Jim De Yoreo, LLNL. Noon, Bldg. 151, room 1209 (uncleared area). Contacts: Tony Esposito, 4-3497, or Linda Jones, 3-8839.

Friday  
26

### MATERIALS SCIENCE & TECHNOLOGY DIVISION

"Nucleation of Dislocation Loops and Other Shear Centers," by Yong-Qian Sun, University of Illinois at

Urbana-Champaign. 3:30 pm, Bldg. 235, room

1090. Coffee and cookies will be served at 3:20 p.m. Thomas E. Felter, 2-8012.

### PHYSICS & ADVANCED TECHNOLOGIES

"A Search for D0-D0Bar Mixing in the Decay D0->K\* e nu at CLEO," by Sean McGee, Cornell University. 10:30 a.m., Bldg. 211, room 227 (badge required). Contacts: Doug Wright, 3-2347, or Pat Smith, 2-0920.

### INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Clouds and Chemistry: Understanding Brown Dwarf Atmospheres," by Mark Marley, NASA. Noon, Bldg. 319, room 205 (badge required). Jenny Patience, 2-2102, or Rosemarie Cortez-Kudo, 3-0621.

Wednesday  
1

### MATERIALS RESEARCH INSTITUTE

"Insertion of Proteins/Peptides into Biomembranes," by Margie Longo, U C Davis.

3:30 p.m., Bldg. 219, room 163 (badge required). Contacts: Mike McElfresh, 2-8686, Joanna Allen, 2-0620.

Thursday  
2

### CHEMISTRY & MATERIALS SCIENCE

"Novel Theoretical Approaches to Complex Chemical Processes:

Methodology and Applications," by Mark Tuckerman, New York University. 10 a.m., Bldg. 219, room 205 (open area). Contacts: Andrew Quong, 2-5641, or Bonnie McGurn, 3-2764.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov. For information on electronic mail or the news-group llnl.meeting, contact the registrar at registrar@llnl.gov.

## NEWS OF NOTE



## Earth Expo on hold, but reminder to recycle continues

Earth Day will be marked around the country Monday, with special events reminding people of the importance of recycling, conserving natural resources and energy.

The Laboratory's annual Earth Expo event held in the Lab pool and employee services area is taking a year off due to security considerations and funding delays.

"This has become an increasingly popular event with employees, vendors and the community. The Lab looks forward to next year's Earth Expo," said Kent Wilson, waste minimization coordinator for LLNL. "The event serves to raise awareness of the full breadth of programs and resources available for recycling, conserving energy and meeting our waste reduction goals."

Wilson said these programs have become an integral part of the way the Laboratory conducts its business. "Conservation, recycling and reducing the waste shipped to the landfill saves the Lab money," he said.

The Lab has performance measure goals in UC's contract with DOE to reduce the total waste stream, he said, explaining "that means reducing waste at the source, not just recycling."

Simple measures such as making two-

### Lab goes 'Back to Nature, Down to Earth'

Get up close and personal with California wildlife when the Laboratory presents "Back to Nature, Down to Earth," a

showcase for the science of nature and earth. The event, which is free to the public, takes place Saturday, May 18, 10 a.m. to 2 p.m. at the Visitors Center, near the Eastgate entrance.

The event is also open to Lab employees and their families.

Representatives from the Lindsay Wildlife Museum of Walnut Creek will be on hand with live animals, displays and literature about the creatures and critters of California.

Other highlights include the Lab's Fun With Science demonstrations, presented by Elvis Spencer of

DNT; interactive LEGO robots, by Kathy Fritz of Engineering, an Energy Bike provided by Plant

Engineering; EPD displays of endangered and threatened

species that have found haven at the Lab, as well as an environmental diorama to demonstrate pollution via

storm water runoff; and an exhibit by the

Explorer Post Scouts, led by the Lab's Joe

Shinn.

The Visitors Center will also be open during the day.

"Back to Nature, Down to Earth" is sponsored by the Public Affairs Office. For more information contact Linda Lucchetti, 2-5815 or [lucchetti1@llnl.gov](mailto:lucchetti1@llnl.gov) or see the Web at <http://www.llnl.gov/PAO>



sided copies and print-outs and using washable dishware in the cafeteria can do a lot to reduce waste, Wilson notes.

Paper recycling efforts at LLNL last year saved nearly 7,500 trees — by recycling 22 tons of newspaper and magazine material through the drop-off program and 301 tons of paper through the office paper recycling program (which has been expanded to include newspapers and magazines).

Lab recycling programs include: wastepaper, cardboard, toner cartridges, chemical exchange warehouse (CHEW), cafeteria bottles and cans; composting of plant and tree clippings, wood, metal and other recyclable construction materials as well as Donation, Utilization & Sales activities (formerly Excess).

Last year the Lab diverted almost 55 percent of its 11,000-ton routine and non-routine solid waste stream. This does not include Hazardous Waste Management (HWM) industrial waste and soil, which if included, would increase the diversion to 70 percent.

In complement with these efforts, the Lab has strengthened its "Buy-Recycle" Program (the purchase of products with recycled content).

For more information or to submit suggestions, call the E-ARTH hotline. Also, check the Web at <http://www.envirinfo.llnl.gov> and go to "Pollution Prevention-Current Status."

## BRIEFLY

### Lecture looks at Jewish resistance of WWII

Robert Katz, a member of the South Bay Holocaust Survivors' Group and the Jewish Partisans' Education Foundation, will present "Triumph of the Human Spirit: The Story of the Jewish Military Resistance in WWII," at noon Thursday, in the Bldg. 543 auditorium.

Katz is the product of an American military family and the relative of Holocaust survivors. In honor of Yom Hashoah, Holocaust Remembrance Day, Katz will speak to remember those who suffered, those who fought, and those who died. The talk is sponsored by the Safety, Security and Environmental Protection Directorate.

### LBNL seminar on femtosecond research

Lawrence Berkeley Lab will present a two-day seminar on lasers Tuesday and Wednesday. The second day of the seminar may be of interest to femtosecond laser users.

Speakers include: Csaba Toth, a LBNL researcher who lectures on the use of femtosecond lasers for optical accelerators; LLNL researcher David Fittinghoff, who will speak about femtosecond laser diagnostics; and Ben Rockwell, of Brooks Air Force Base, who will speak about femtosecond lasers, biological effects and recent work conducted on the effects of

ultrafast lasers on protective eyewear.

The seminar will be held in LBNL's Bldg. 50 auditorium, 8:30 a.m. to 2 p.m. There is no cost for the second day of the seminar. Those interested in attending may take BART to the Berkeley station where they can take the free LBNL shuttle to Bldg. 50. You will need to use your LLNL badge and a copy of a confirmation e-mail to get on the bus. Parking at LBNL is extremely limited without prior arrangements for a parking pass. For more information or a complete seminar agenda, contact Ken Barat at 6-7958 or [klbarat@lbl.gov](mailto:klbarat@lbl.gov) at LBNL, or David Taylor at 3-1097, or [taylor5@llnl.gov](mailto:taylor5@llnl.gov) at LLNL.

### The changing health care environment

Learn more about "Today's Health Care Environment" from 8:30 a.m.-10 a.m. Wednesday in the Bldg. 123 auditorium.

Michele French, executive director of Workforce Planning at the UC Office of the President, will present the talk, in which she will discuss the general health care environment, UC planning for next year and the long-term health care picture. The talk is open to all employees.

The program will be cablecast live on Lab TV Channel 2 and will be rebroadcast on Thursday at 10 a.m.

### Apply for summer research academy

If you have a high school-age child who's interested in science and technology, you may want to consider applying for the Student Research Academy to be held July 1-12 (excluding weekends and July 4) at the Edward Teller Education Center, located at the UC Davis Department of Applied Science.

Students will learn how to conduct research through hands-on activities. They will complete their research studies at their school during the following academic year. The student academy, sponsored by the Lab's Science & Technology Education Program and the Edward Teller Education Center (ETEC), is free.

Applications are now being accepted and are available online at <http://education.llnl.gov>. For more information, contact Richard Farnsworth at 2-5059 or [farnsworth1@llnl.gov](mailto:farnsworth1@llnl.gov)

### Vasco closure postponed

The construction work that would have closed South Vasco Road between East Avenue and Tesla Road has been rescheduled for May 6. The closure will last approximately three weeks.

Work will continue on South Vasco Road and Tesla Road, once South Vasco is re-opened, until approximately the end of June.



## CLASSIFIED ADS

See complete classified ad listings at  
<https://www-ais.llnl.gov/newsline/ads/>

### AUTOMOBILES

2000 - Honda Civic EX, fully loaded, excellent condition, 26K \$15,000 209-832-2862

1997 - Explorer XLT, V6 SOHC, Fully loaded, good condition \$10,000 209-832-2862

1996 - Lexus Certified ES300 73K miles, pearl/gold, leather seats, sunroof, 6 disc changer, new tires, and many many more extras. MUST SEE! 209-544-1207

1994 - Chrysler New Yorker, 4-door sedan, good condition, \$5,000 925-447-0622

2001 - Chrysler Town & Country Van. Fully loaded. 32K miles, 100K warranty. Great condition - need quick sale!! \$25K 209-825-0482

1993 - BMW 318IS 2DR Red 5pd Blk LeatherInt MoonRoof 128,000 \$9,222 or best offer 925-570-5771

1979 - Oldsmobile Cutlass Calais, 2 dr, V-6, lt blue, one owner, garaged, ps, pb, 140K mi (43K on new engine), \$2,000 925-447-9365

1990 - Mitsubishi Eclipse,turbo,clean,PS,AC,custom tires & rims, spoiler,custom racing clutch, 2nd engine available \$3,000 obo. Call Chris 925-687-4590

1992 - Corvette coupe, excellent condition, 30K miles, 2 tops, white, automatic, pw,ps,pb,ac, cd player, Boise stero, leather seats, \$15900. 925-243-1607

2000 - Acura 3.2 TL. White/Tan, 25,500 miles. FULLY LOADED incl. Navigation System/Premium Tires. Great Condition!!! \$25,500/BO 209-952-7186

1991 - Honda Civic, LX 4 door, AT, AC, Power Windows, Cruise Control, Good Condition, 135K miles, \$3756 925-443-5044

1994 - Ford Aerostar mini van, v6, auto, AC, Cruise, roof rack, tow pkg, \$4,500. 510-339-9356

1991 - Geo Storm GSI, black, 2dr, sporty, good condition, recent new tires and servicing, low miles (75.4K), \$2,400. 925-455-1306

1976 - Dodge B200 van. 1 owner, 90,000 miles, well maintained, good tires, paint, interior, etc., heavy duty hitch, \$2500. 925-200-9301

1997 - Honda civic dx 5speed/dark blue air/tilt/am/fm/cassette excel condition/43,000 miles 8,000 or bo 209-527-1566

1965 - Mustang, hard top, red, straight body, no engine/trans, interior exc shape, project car. \$2,500 obo. 209-815-4807

1989 - Buick, Park Ave. runs good, 12400 miles, needs paint job. \$1550. 510-278-6314

1999 - Mazda Miata MX-5 manual AC, Power Stering, Windows & Locks, AM/FM Stereo, CD, Leather, New 16x7 Enkie Wheels & Tires, Blue, 45000 miles \$13,900 925-513-1108

1992 - Miata, Black & Tan Limited Edition, AC, pwr str, windows, 5-spd, limited slip, glass rear window, upgraded sound, \$4,600. new wheels. 925-462-1416

1988 - Honda Accord LXI Hatchback, Good condition, 38K miles \$2,500 O.B.O. 925-833-7199

1997 - EXPLORER, White w/blk trim; 67K miles, immaculate! NEW TIRES; A/C; pwr steering, locks, windows; roof rack; 2WD; 2dr; priced for quick sale: \$8,499 o 925-846-3508

2001 - Mitsubishi Eclipse RS, pearl white, at,pdl,cd,pw 33000 miles, great cond, \$15,000 925-443-3358

1985 - MAZDA RX-7 GSL/SE. All leather, new stereo, 2-tops. 127K mi., runs great. Nearly a classic. Asking 4K/OBO 925-447-3283

1963 - VW Baja Bug. Runs good.

Owner for 17 years. Wife says too many toys. \$1200. 925-449-6334

1994 - Honda Accord EX 4Dr,PW,PDL,CC,Moon roof,4cil auto trans,very clean good maint records.160K miles looks and runs great.\$4500 925-516-5850 925-516-5850

1967 - Austin Healey Sprite. Looks and runs Great. \$3800.00 OBO 925-454-8790

1995 - Honda Accord Ex Priced for quick sale leather, 5 speed, black, moonroof, 151K miles, good condition \$6,500 209-834-1350

1991 - Toyota CamryDX4Dr.AT,PS&PB,Crs Contrl, cool AC,PW&PL,135k,new timingbelt,orig.owner,very good condi,reliaible nice car.\$3,650.after 6pm 209-832-3931

### AUTOMOBILE ACCESSORIES

One set tire chains for VW Bug or SqbcK - \$5.00. One ski rack for Bug with chains. 925-837-5073

Rims, 4 steel 16 inch 6 lug, off Chevrolet 4x4. \$50 925-516-8339

69-72 chevy pu frontend sheetmetal.2fenders,1 inner,hood,radiator sup.good cond.b/o 925-443-2173

LEER Truck Shell, 8ft. Grey color, sliding glass windows. \$300.00 925-443-6829

Datsun 240Z engine - please call for details. 925-447-7627

Tires Goodyear 265/75 16 inch all terrain mounted on 6 lug aluminum rims off chevy 4x4. \$200 925-516-8339

Bosch ignition parts from 87 Volvo Alternator, coil, fan belts, plugs, used but still working-make offer 209-835-2416

Truck bed liner, like new, fits full size Dodge pickup through 2002. \$100 925-625-5938

### BICYCLES

Burley Dlite bike trailer, seats 2 children, like new, \$320, OBO 925-866-9289

10 speed Peugeot & Trek 760 Series racing bike. Need cleaning up. Best offer. Call during week after 5:30 PM. 925-827-3113

### BOATS

990 Yamaha Waverunner with trailer for fun in the sun! \$1,500 or BO. 209-334-1006

91 Reinell 173 OMC V6 4.3L Cobra I/O, Lo hrs, fish/depth finder, custom cover, dual batt, radio/cas, w/trailer, Garage kept, exc shape. \$7800 OBO. 925-245-1414

1972 Kona Jet Boat, new paint and interior. Berkely Pump Olds 455 Engine w/ Polished Tunnel Ram lots of Chrome. Runs Great. \$3200 OBO 925-784-1788

### CAMERAS

Nikon EL nikkormat, teleconverter, vivitar auto telephoto 300mm, 135mm, wide-angle 35mm, Tiffen 72mm, soligar 500mm, 3 tripods, & more. \$500. 925-455-5672

### ELECTRONIC EQUIPMENT

Turntable, Technics SL-D2, \$30; Cassette tape deck, Hitachi DE-66, \$30; Kenwood Rcr, KR-5010, \$30; TV, Zenith, color 19 inch, \$30. 925-447-4521

25 inch Mitsubishi TV floor model with FM stereo and very nice wood cabinet \$75. 925-449-8124

Mac Quadra 840AV, Mac monitor, speakers, floppy, CD, Zip drive, scanner, much software, manuals. \$300 OBO. 925-373-8297

Mac Performa 6300CD, 16 MB RAM,

15 in. Monitor, Color StyleWriter 2400 Printer, with software: Word, Excel, Quicken, Sim Tower, Myst & more; \$120 925-447-7406

Stereo power amp, homebrew 35 WPC built into 36 in. high wooden planter. Works great, only one like it on Earth. Free. 925-455-5655

HP ScanJet 5300C Mac/PC. \$250 New-Selling for \$100. Used only a few times. Like new. 925-449-4946

Grapppler+ Printer card for Apple //. B/O. Well-stored, appears to be in great shape. Interested buyer is welcome to test before purchasing. 530-792-7140

### GIVEAWAY

Brand New Professional moving boxes and packing material. Only used once. Assorted sizes 1.5 Cu. ft up through Wardrobe sizes. Free to good home. 925-516-2321

Cal Spa Hot Tub. 5 person spa. 8 feet square. Pump and heater work. Tub in excellent condition. You haul. 925-606-6599

Free 2002 lift ticket to Sierra at Tahoe and free snowshoe/snow toy rental 925-831-3011

Metal cabinet, from old lab workbench, grey, about 32H x 18W x 30D, single door, one shelf 925-455-5655

Sofa Bed, queen size, neutral color, call for details 925-828-8939

Swingset. Slide, Glider,swings. Used 1 year 925-454-8790

### HOUSEHOLD

Garage door opener 1/2 hp motor, 2 remotes, setup for trackless door, all in operational cond, about 5 yrs old, Stanley- \$50 or BO. 925-837-5073

GE Washer w/new pump & elec dryer, white, works great, good condition, \$150/BO. Eureka Steam Cleaner for hard surface flooring, \$25/BO. 925-447-5303

Britax Roundabout car seat, denim/plaid \$75. Little Tikes desk, NIB, \$35. Painting easel w/ whiteboard, chalkboard, \$25. 925-294-9022

Refrigerator, Amana 20 c.f., energy saving, almond, great condition, \$199 925-513-1934

Oak entertainment center, 5 feet by 2 feet deep, shelves and drawers. \$200.00 925-447-4521

Mahogany desk \$250 and credenza \$150, upholstered desk chair \$50, burl pedestal dining table w/ 2 leaves \$250 925-837-2049

8 piece Bedroom set, oak, 2 nightstand, 2 lamps, King bed, wardrobe, chest of drawers with mirror,like new, \$1,300 925-833-6061

Steamer trunk, arched back, 35 wide x 21 deep 29 tall Very interesting item. \$45.00 925-449-7388

Solid oak roll top desk, Winners only, not a scratch! \$700 925-516-8339

Garage Sale 955 Miranda Way Livermore-9am to 12pm Household, Furniture ect. 925-443-4848

Dk green sofa, like new, \$300. 6 black lacquer chairs \$30 for all. Large oak desk \$25. 925-550-5369

Kirby vacuum w/carpet shampoo attachments \$50. Fischer Price kids table w/2 chairs \$15. 925-455-4896

Antique bedroom set. Dresser with unique-shaped mirror, chest of drawers, headboard. A steal for \$250. 209-334-1006

Bunk bed, white steel tube construction, single top and double bottom. Great condition. Mattresses not included. \$50/OBO 925-838-9667

Bunkbeds, two sets, dark wood, book-case headboards, lag bolt construction. No mattresses or mattress boards. \$20 each. Both for \$35. 925-449-9078

Recliner, Flexsteel brand, medium brown, very good condition. \$75. 925-846-3653

Beautiful solid OAK California King Bed Frame and mattress. A lot of OAK wood. \$500.00 925-449-4887

Two antique dressers, call for descriptions. Round mirror (Ethan Allan) about 3ft tall. 925-829-1474

Nice Curio and Oak Storage Unit. Media shelves, additional storage shelves, lock drawers. Lighted bridge, TV/Storage. Like New. \$239/obo. 925-449-4261

Full Size Beds (2) with box spring and frame \$75.00 ea., Brass Headboard \$25.00 925-426-1438

Steamer trunk, arched back, 35w x21 deep x29 tall. Very interesting item \$40.00 925-449-7388

Farm table solid hardwood approx 48x30 with 4 chairs. good cond. \$125 925-516-8339

Antique wicker peacock chair and wicker side table with 3 shelves. \$150 for both. 925-455-5655

Whirlpool washer (like new) \$200, Maytag (electric)dryer works well \$75, Oak Roll-Top desk \$300. Call Estelle at 925-743-3396

Stove: White Amanda free standing stove, self-cleaning, few years old, radiant burners, no oven latch, best offer. 925-443-4606

3 drawer wood base bedframe (2qty) - \$100 each. Mattresses included. 209-839-1828

Desk, walnut tone, office type, good condition \$25.00. Call for details. 925-828-8939

Frigidaire upright refrigerator with freezer, 16 cubic feet, 1 year old, moving out of state, \$200.00 925-447-0747

SLEEPER SOFA, Slate Blue, great condition. Moving, must sell: in Livermore. \$150.00 OBO 925-443-2172

Electric range, stainless top, \$25, over the range microwave \$25. Both work. (Remodeled kitchen) 209-545-5922

### LOST & FOUND

Prescription sunglasses, multicolored frame in homemade blue floral fabric case 925-462-8076

Earring, found between B-261 and B-274, silver with turquoise stone and carved feather. 925-833-0186

### MISCELLANEOUS

Hawaiian Outrigger canoe paddling in California? You bet! Come try it out. No experience needed. [www.kaimanu.com](http://www.kaimanu.com) 925-200-4475

Assorted canning jars. Over a dozen for \$20.00. 510-582-2938

Porter-Cable 18ga 1-1/4in brad air nailer, never used, w/ case, \$70 (\$85 new). 925-294-2022

Shop smith-Mark 5 (1950 restored) Lots of extras,including tooling \$600.00 or best offer.(you pick up) 209-835-0622

Weber BBQ w/cover \$100. Fountain \$50. 4 bar stools \$40. 4 swivel bar stools w/backrest \$60. All in good condition. 925-449-8124

Storage: Livermore 400+ sqft ground level storage, 24 hour access, 10 min from lab, 10 min from downtown, \$175/mo, outdoor vehicle parking avail 925-784-8383

Livermore - Eleven home family block sale, 4/20 & 4/21, 9-4; Cherry Way - cross street Central Avenue - Lots of great stuff! 925-606-7488

Garage Sale Sat.4/20, Furniture, Household Misc. 9am-12pm 955 Miranda way Livermore 925-443-4848

Go-Ped -Big Foot-. Excellent condition, never crashed or dropped. Ridden by 10 year old girl. Approx 2 hrs on scooter and motor. \$500. 925-838-9667

air compressor,twin cyl 25 gal tank,comercial duty,220v sngl.phase good cond.100.00 925-443-2173

Large microwave oven, GE Dualwave II, model 1435, 700W, no carousel needed, very good condition. \$50. 925-846-3653

Baby Jogger and Bike Trailer for 2 babies. \$200.00 925-449-4887

Beautiful Tiffany-style Fireplace Screen. Stained glass pattern has Orchids and butterflies.\$359/obo. (seen on ebay not less than \$450). 925-449-4261

Wine Barrel 60 Gal. American Oak Used 3 years for Reds Good Condition ready to use \$75.00 925-443-7752

Craftsman Table Saw, older model but in very good shape. \$ 100.00 925-373-8360

Two tickets to the Morales vs. Barrera fight in Vegas on June 22nd upper level seats \$200 each. 209-466-4519

### MOTORCYCLES

996 - LEM 50cc CR3 senior, runs great, new rear tire, R&D pipe and silencer. Plus extra parts. \$950.00 O.B.O. 925-625-7914

### MUSIC INSTRUMENTS

Advanced tenor player looking for good alto sax as second instrument. 925-846-1453

Piano, Wurlitzer upright with bench, blonde finish. Also have collection of piano books for beginners. \$500 OBO. Ask for Tom 925-373-2832

Upright piano. \$400 925-550-5369

Drum set, Ludwig, grt cond, 5 pc w/hdwr and throne plus Emperor and Ambassador heads. Nice professional sound. \$750.00/obo. 925-443-8954

### PETS & SUPPLIES

Border Collie male - sweet and very smart. Seeking dog lover with lots of land for him to run on. 209-612-8052

FOR SALE LARGE BIRD CAGES 1 in bar spacing 1 cage 100.00 2nd cage 150.00 I need sell one of these. 209-321-7203

55 gal. Fish tank with stand, moving out of state, \$150.00 925-447-0747

### RECREATION EQUIPMENT

Teal suade jacket with southwestern trim. Pd 250.00 asking 80.00 like new. 510-537-7222

NordicTrack ProPlus Skier; hardly used; folds for storage; computer readout for time, speed, distance, calories; incl. 3 videos; \$135/OBO 925-455-1306

1990 Yamaha Waverunner with trailer for fun in the sun! \$1,500 or BO. 209-334-1006

450lbs of weights, weight tree, barbell, dumbbells, EZ curl bar, triceps bar, collars and springs \$100 925-373-5918

Step Stepper with radio. Works well. 100\$/obo. 925-449-4261

Free 2002 lift ticket to Sierra at Tahoe and free snowshoe/snow toy rental 925-831-3011

Pool table Brunswick sportking. 4.5 x 9 one inch slate, 6 inch rails. excell cond. \$1200 925-516-8339

Hurricane 30-FT Class-A motorhome, Triton V-10, 7300 mi., TV-VCR-CD-Gen., Queen walk-around bed, sleeps 6, Xtra storage, CLEAN. \$40,000. Brandon 209-543-8562

Health Rider exercise bike, like new, \$50. 925-837-2049

### RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.



## Mini Macworld comes to Lab

Matt Morris of Dantz Development Corp. demonstrates the new iMac at the recent "Mini Macworld" expo in Bldg. 543. The expo marked the second anniversary of the Macintosh Technical Lecture Series. Talks by Mac experts were given throughout the day.

DON JOHNSTON/NEWSLINE

## INTERNAL TRANSFER OPPORTUNITIES

| Tag | Req  | No.     | Title                        | Organization                     | Tag | Req  | No.     | Title                     | Organization                  |
|-----|------|---------|------------------------------|----------------------------------|-----|------|---------|---------------------------|-------------------------------|
| BS  | 4003 | 105.3   | Administrator                | Biology & Biotechnology Research | CO  | 3980 | 285     | Computer scientist        | Computation                   |
| PM  | 3399 | 105.3   | Sr. administrator            | Procurement & Materiel           | CO  | 3981 | 285     | Computer scientist        | Computation                   |
| SS  | 3715 | 126.2   | Sr. administrator            | Safeguards & Security            | SS  | 3753 | 337.1   | Technical associate       | Safeguards & Security         |
| SS  | 3949 | 126.2   | Sr. security administrator   | Safeguards & Security            | PE  | 3900 | 338.1   | Scientific coordinator    | Plant Engineering             |
| EP  | 3790 | 134.2   | Sr. info. systems specialist | Environmental Protection         | PE  | 3903 | 338.1   | Scientific coordinator    | Plant Engineering             |
| FI  | 3929 | 151.3/4 | Principal accountant         | Finance                          | PE  | 3893 | 367.1   | Maintenance coordinator   | Plant Engineering             |
| HC  | 3864 | 197     | Dispatch manager             | Hazards Control                  | PE  | 3894 | 367.1   | Maintenance coordinator   | Plant Engineering             |
| DT  | 4011 | 200     | Facility manager             | Defense & Nuclear Tech.          | PE  | 3895 | 367.1   | Maintenance coordinator   | Plant Engineering             |
| EZ  | 3890 | 200     | Deputy program leader        | Energy & Environment             | ME  | 3983 | 391.1   | Engineering               | Mechanical Engineering        |
| NA  | 3867 | 200     | Scientist/engineer           | NAI                              | PE  | 3897 | 391.1   | Engineering               | Plant Engineering             |
| CO  | 3977 | 220     | Post doc staff member        | Computation                      | NF  | 3793 | 405.3   | Admin. specialist III     | National Ignition Facility    |
| EE  | 3989 | 220     | Post doc research member     | Electronics Engineering          | CH  | 3921 | 405.3/4 | Admin. specialist III/IV  | Chemistry & Materials Science |
| EZ  | 3927 | 220     | Post doc staff member        | Energy & Environment             | CO  | 3982 | 405.4   | Admin. specialist IV      | Computation                   |
| BS  | 3931 | 225     | Biomedical scientist         | Biology & Biotechnology          | EZ  | 3447 | 405.4   | Admin. specialist IV      | Energy & Environment          |
| EP  | 3995 | 230     | Environmental scientist      | Environmental Protection         | EZ  | 3973 | 405.4   | Admin. specialist IV      | Energy & Environment          |
| HC  | 3877 | 242     | Analytical chemist           | Hazards Control                  | NA  | 3973 | 405.4   | Admin. specialist IV      | NAI                           |
| EE  | 3976 | 249     | Engineer/section leader      | Electronics Engineering          | TI  | 4004 | 423.2   | Publications practitioner | Technical Information         |
| EP  | 3610 | 249     | Risk reduction task leader   | Environmental Protection         | TI  | 3941 | 423.3   | Publications practitioner | Technical Information         |
| ME  | 3951 | 249     | Mechanical engineer          | Mechanical Engineering           | EE  | 3899 | 531.1/2 | Technician/technologist   | Electronics Engineering       |
| ME  | 3952 | 249     | Group leader                 | Mechanical Engineering           | ME  | 3968 | 533.2/3 | Mechanical technologist   | Mechanical Engineering        |
| ME  | 4016 | 249     | Group leader                 | Mechanical Engineering           | TC  | 3996 | 538.1   | Coordinator               | Telecommunications Utilities  |
| ME  | 4039 | 249     | Mechanical optical systems   | Mechanical Engineering           | ME  | 3352 | 538.2/3 | Nuclear facility operator | Mechanical Engineering        |
| PE  | 4005 | 249     | Electrical engineer          | Plant Engineering                | TI  | 3942 | 587.3   | Illustration specialist   | Technical Information         |
| NF  | 3645 | 270     | Scientist                    | National Ignition Facility       | SS  | 3445 | 653     | Station operator          | Safeguards & Security         |
| PT  | 3968 | 270     | Physicist                    | Physics & Advanced Tech          | PE  | 3965 | 862.1   | Maintenance mechanic      | Plant Engineering             |
| CO  | 3934 | 285     | Computer scientist           | Computation                      | ME  | 3944 | 981.1   | Journeyman machinist      | Mechanical Engineering        |
| CO  | 3979 | 285     | Computer scientist           | CAR                              |     |      |         |                           |                               |

Orinda - Carpool from Lamorinda seeks 4th rider/driver. Meets near St. Stephens & 24. Lab hours 8:15am-5pm. 925-253-0498, ext. 2-9823

Modesto - Carpool, Modesto to LLNL. Time flexible. ext. 209-522-7136, ext. 3-3575

Antioch, Brentwood, Oakley - Vanpool has seats available. Beat the bus in time and cost! 7:45-4:30. 925-625-0534, ext. 2-2174

Danville - Camino Tassajara & Crew canyon (near Blackhawk) - 2 drivers/riders seeking additional members to carpool from south Danville area. 8:00 - 4:45 925-736-9441, ext. 2-1039

Walnut Creek - Concord, Pleasant Hill new luxury vanpool has an opening. 8:00 to 4:45. 925-945-4926, ext. 2-2805

Patterson - Vanpool. Seats are available. Work hours 7:30-4. Kim 209-892-2118, ext. 2-9502

Manteca - Rider/Driver needed for 4 person carpool. Arrive LLNL 7:45AM, Lv 4:30PM. Drive 1 day per week and 1 Friday a month. Very flexible. 209-823-5085, ext. 2-0643

### SERVICES

Roofing, 28 yrs experience, fully insured, free estimates 925-454-9200

GREETING CARDS - Handmade, custom greeting cards for all occasions. Sample book for viewing available. 209-612-8052

### SHARED HOUSING

LIVERMORE - Student seeks housing ~May 20 - August 11, bike to lab. Bedroom, kitchen access. 607-871-3940

### TRUCKS & TRAILERS

1995 - GMC Z71 ext. cab, pb, pw, pl, a/c, am/fm cass. cd, pwr. seats, 5.7 ltr., a/t, bed liner, camper shell, excel. cond. 15,000 209-892-6589

1999 - Dodge SLT Lariat Quad Cab, Tow Pkg, 35k mi. new condition. Asking 16,000 209-632-4568

3X5 Utility Trailer. White with tool box. \$450.00 O.B.O. 925-625-7914

1999 - Blue Chvy Silverado LS Ext Cab, 305 V8, Flwmstr dl exst, Cstm pro stero Pwr evrythng Gry clth insd Bd lnr 62k commuter miles. Awesome Truck \$16,800 925-525-0793

1991 - Chevy Suburban 1500. 45K on rebuilt drive train, 3rd seat, rear air, all options. Large roof rack, smogged, drives great and very clean. \$5800.00 925-449-9167

1988 - Nomad 30 Ft 5th Wheel Trailer. Microwave/A/C AM/FM RAdio Cassette. Cable Ready. \$5000.00 OBO 925-828-3044

1994 - Jeep Wrangler 4x4, 6cyl, 5speed, Red/Gray, Bikini Top, Sony Stereo, Alarm, 73k miles Alloy Rims, Bike Rack, Cell 925-640-8561 925-513-1991

1998 - Hurricane 30-FT Class-A motorhome, Triton V-10, 7300 mi., TV-VCR-CD-Gen., Queen walk-around bed, sleeps 6, Xtra storage, CLEAN. \$40,000. Brandon 209-543-8562

Dodge Pickup bed liner, great condition. \$100. 925-625-5938

2000 - Tundra, 4X4, V8, alarm, TRO Pkg., AM/FM/CD, Acces Cab, Shell, Upgrade Wheels/Tires, Tow Pkg, 74K miles all hwycmmute, like new, must see, \$20K/OBO. 209-941-9114

2000 - Starcraft Starflyer Tent Trailer. Sleeps 6, refrig., forced air heat, awning, gas or electric connection. Used 3 times. \$6,000. 925-524-9381

### VACATION RENTALS

Pinecrest - (Off Sonora Pass Road), 3 bdrm/2 bath, frplc w/wood, microwave, barbecue, pool table, large deck and view up No. Fork of Tuolumne, \$195/wknd. 925-449-5513

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, newly remodeled, nicely furnished, all amenities, off season rates now in effect, Reserve Now for Summer! 209-599-4644

### WANTED

WANTED: Metal Storage Shed (8ft x 10ft). If it meets the need I will tear down and move. 209-892-5885

Roommate wanted- room for rent in Livermore, \$450.00 utilities included. call for more info. 925-724-2318

Landscaper or reference for landscaper for back yard. Removal of grass, correct drainage, and soil prep. 925-454-9224

Looking to purchase a newer model electric breastpump. Will pay up to \$150 for Medela or equivalent brand in good condition. 925-455-4208

WANTED - GM SM420 4 Speed Transmission; Timken/Rockwell T-221 Transfer Case; GM Dana 44-5F Front Axle assembly; or related parts 925-846-0645

Wanted-need refrigerator call 2-0887 209-329-2839

Experienced electrician for inground Spa repair. 209-832-4314

Looking for retro kitchen table, preferably blue top with chrome border and legs, rectangular if possible. 925-455-4852

Wanted: Peterbilt Truck or Freightliner Truck 209-466-4519

Looking for a Bernina sewing machine. Older models ok. 925-449-6334

Photographer professional for very small wedding ceremony in San Francisco. Needed for 5/4/02. 925-648-0671



## THE BACK PAGE

### ELLIOTT

*Continued from page 1*

which means they can also be corrected by society.”

During a lively, two-hour presentation, Elliott was entertaining, provocative and inspiring at the same time. She interspersed her lecture with funny one-liners, eye-opening statistics and poignant anecdotes.

A frequent presenter at universities and businesses, Elliott has no illusions about why she is so successful.

“I know full well why I’m hired to do this presentation. I’m short, I’m female and I’m old, so I’m not threatening to anybody. I’m white, so I have credibility,” she said. “If I were black and saying these things, you’d be saying I have an agenda...I know why I get hired and it’s a crime. But as long as you continue to commit the crime of racism, I’m going to get hired.”

Elliott invited two Lab employees to join her onstage to illustrate her point about who has power in American society. She asked each one separately if they valued their height, their gender, their skin color and their age, and refused to accept some of their answers.

For example, when she asked them to state their race, one answered black and the other replied Caucasian.

“Wrong,” Elliott exclaimed. “That’s your skin color. You’re members of the human race. Next time you fill out an application and it asks you your race, write human. If they want to know your skin color, they should ask you that question.”

Elliott recommended that her audience read two books, “Lies My Teacher Told Me,” and “Rage of a Privileged Class” to become better informed on the subject of race.

“It’s time to get educated. You think you’re well educated. You’re not. You’re well schooled,”



ELIZABETH CAMPOS RAJS/NEWSLINE

Jane Elliott delivered on her promise to be provocative and, at times, shocking during her diversity talk.

she said. “Education perpetrates discrimination in this country.”

She railed against America’s treatment of Middle Easterners since Sept. 11, noting that two of her seven grandchildren are half Saudi Arabian. “We have now created a new class to hate. What will it take to undo the damage that is being done to Middle Easterners?” she questioned.

Elliott talked about how she first decided to do her “Blue Eyes, Brown Eyes” discrimination experiment 34 years ago. She wanted to teach her third grade students in all-white Riceville, Iowa, about discrimination, so she chose a characteristic

they couldn’t change.

The day after King was killed, she divided her class by eye color and told her brown-eyed students that on that day, they were intellectually superior, were more responsible and would have more privileges. The next day, she reversed the exercise and the blue-eyed children were on top.

The results were shocking, she said. Suddenly, the children placed in the “privileged group” were standing taller, performing better on their classwork and putting down their classmates who had different colored eyes.

“I learned a lot about anger in that exercise. I learned a lot about power. I didn’t know about racism until then,” she explained. “I learned that day more than I wanted. I didn’t want to know I was a racist, that I was part of the problem.”

She performed the experiment every year from 1968 to 1984, at great personal cost, because she believed so strongly that her exercise could serve as an “inoculation” against racism.

As a result of her work, her own children were ridiculed by their classmates, teachers and other parents, her husband lost all of his friends and her parents lost their business after the community stopped frequenting their restaurant.

“If I had known what would happen, I wouldn’t have done the exercise in the first place,” Elliott said. “I will go to my grave with what happened to my children, my husband and my parents.”

Outside of her Midwestern town, however, her work has been widely praised. She was chosen as a “Person of the Week” on Peter Jennings’ ABC Evening News broadcasts. Evening and several television documentaries have been filmed, including “Essential Blue Eyed,” and “A Class Divided.” Copies of those videos are available to lend from the Affirmative Action & Diversity Program. For more information, contact Michele Cardenas at 3-2796.

### JUPITER

*Continued from page 1*

will meet to discuss the experimental results, as well as each group’s computer simulations of high-pressure hydrogen during Sunday’s press conference.

Cauble said it’s possible that the groups’ different results both could be right. It may depend on how the sample is shocked.

The research will be applied to inertial confinement fusion where the hydrogen isotopes – deuterium and tritium — are used as fuel to attain fusion. Mega lasers, such as the National Ignition Facility, offer new opportunities for pursuing experimental science under extreme conditions of

temperature and density

Cauble said Livermore scientists are conducting further research, using diamond anvil cells to probe the properties of matter under the relevant extreme conditions of pressure and compression found in the interiors of giant gas planets, such as Jupiter.

Other conference presentations featuring Livermore scientists include:

- National Security Fellow Jay Davis of Livermore’s Center for Global Security Research will speak about counter-terrorism contributions from the national labs during the Monday session: “Physics and Anti-Terrorism.”

- On Saturday, Physicist Chris Fragile will describe the simulation of black holes “eating” nearby matter, stars and gas clouds and the

dynamics of those accretion flows during “The Secret Life of Black Holes.”

- Physicist Bruce Remington will describe the new field of high energy density physics in understanding astrophysical phenomena during the Saturday session “Extreme Physics.”

### PORTAL

*Continued from page 1*

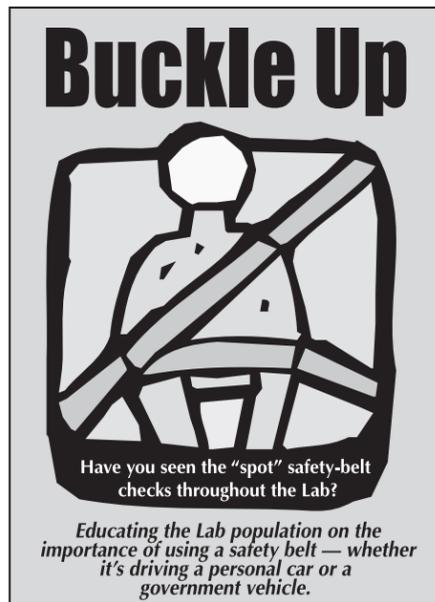
ment of the production portal began in February 2001. MyLLNL will be available to all LLNL intranet users in early May of this year.

#### How to access my LLNL

1. In the next edition of *Newsline*, watch for an announcement about how to obtain your Official Laboratory ID and Personal Access Code.

2. In early May, watch for announcements in *Newsline* and *NewsOnline*, where we will announce the URL for MyLLNL

3. Also in early May, watch your mailbox for a special bookmark with reference information about MyLLNL.



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